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AMENDMENTS TO THE CLAIMS

Claim 1 (currently amended): A method for producing oligomers having less than 40 carbon atoms using at least one aliphatic olefinic monomer having one carbon-carbon-double bond selected from the group consisting of ethylene, propylene, butenes, hexenes, octenes and mixtures thereof, the method comprising the step of contacting a feed comprising the olefinic monomer under oligomerization conditions with a catalyst composition comprising the reaction product of:

- (a) a compound having a formula selected from the group consisting of $M[S_2C_2(R^aR^b)]_2$ and $M[S_2C_6(R^1R^2R^3R^4)]_2$, wherein M is a late transition metal, Ra, Rb, R1, R2, R3 and R4 are independently selected and may be the same or different and are selected from hydrogen, electron-withdrawing groups and unsubstituted and substituted hydrocarbyl groups; and
 - (b) an <u>alkylaluminoxane</u> activating cocatalyst, whereby an oligomer is <u>formed</u>.

Claim 2 (original): The method of claim 1 wherein M is selected from one of Fe, Co, Ni, Pd, and Pt.

Claim 3 (previously amended): The method of claim 1 wherein the compound is selected from the group consisting of bis(dithiobenzil) nickel and bis[1,2-bis(trifluoromethyl)ethylene-1,2-dithiolato] nickel.

Claim 4 (cancelled)

Claim 5 (currently amended): The method of claim <u>1</u> 4 wherein the cocatalyst is methylaluminoxane.

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Claim 6 (original): The method of claim 1 wherein the contacting is at a temperature in the range of from about 0°C to 100°C and at pressures of from about 15 to 2000 psig.

Claim 7 (original): The method of claim 1 wherein the contacting is conducted in a solvent.

Claim 8 (original): The method of claim 1 wherein the contacting is conducted in a gas phase.

Claim 9 (cancelled).

Claim 10 (currently amended): The method of claim $\underline{1}$ 9 wherein said olefinic monomer is ethylene.

Claim 11 (original): The method of claim 1 wherein the catalyst composition comprises a supported catalyst composition.

Claim 12 (original): The method of claim 11 wherein the supported catalyst composition comprises a silica supported catalyst composition.

Claim 13 (original): The method of claim 1 wherein the feed contains contaminants.

Claim 14 (original): The method of claim 13 wherein the contaminants comprise sulfur-containing compounds.

Claim 15 (previously amended): The method of claim 14 wherein the sulfurcontaining compounds comprise H₂S, mercaptans, sulfides and thiophenes.

Claim 16 (currently amended): A method for producing oligomers having less than 40 carbon atoms using at least one aliphatic olefinic monomer having one carbon-

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carbon double bond selected from the group consisting of ethylene, propylene, butenes, hexenes, octenes and mixtures thereof, wherein the olefinic monomer is from a feed stream having sulfur-containing compounds, the method comprising the step of contacting the feed stream under oligomerization conditions with a catalyst composition comprising the reaction product of:

- (a) a compound having a formula selected from the group consisting of $M[S_2C_2(R^aR^b)]_2$ and $M[S_2C_6(R^1R^2R^3R^4)]_2$, wherein M is a late transition metal, Ra, Rb, R1, R2, R3 and R4 are independently selected and may be the same or different and are selected from hydrogen, electron-withdrawing groups and unsubstituted and substituted hydrocarbyl groups; and
 - (b) an alkylaluminoxane activating cocatalyst, whereby an oligomer is formed.